

AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-10. (Canceled)

11. (Previously Presented) An optical system for a projection display apparatus, comprising:

a light source which provides a light beam;

a light valve which receives and reflects the light beam of said light source;

a projection lens which is arranged in the optical path of the reflection light of said light valve;

a prism which is arranged among said light source, said light valve, and said lens, said prism having a total internal reflection surface which the light beam passes through directly to impinge onto said light valve and is reflected by said light valve to said projection lens; and

a lens which is arranged between said total internal reflection surface and said light source; and

wherein said lens is an asymmetric lens.

12. (Previously Presented) An optical system for a projection display apparatus, comprising:

a light source which provides a light beam;

a light valve which receives and reflects the light beam of said light source;

a projection lens which is arranged in the optical path of the reflection light of said light valve;

a prism which is arranged among said light source, said light valve, and said lens, said prism having a total internal reflection surface which the light beam passes through directly to impinge onto said light valve and is reflected by said light valve to said projection lens; and

an auxiliary prism which is arranged between said total internal reflection surface and said light source, which the auxiliary prism is straight pillar shape with a space apart to said total internal reflection surface,

wherein said auxiliary prism has a reflection surface to reflect the light beam, which emits from said light source, enters said auxiliary prism, and impinges to said reflection surface with an incidental angle larger than the critical total reflection angle, through said prism to impinge into said light valve.

13. (New) An optical system for a projection display apparatus, comprising:

a light source for providing a light beam;

a light valve for receiving and reflecting the light beam of the light source;

a projection lens arranged in the optical path of the reflected light from the light valve;

a prism arranged among the light source, the light valve, and the projection lens, the prism having a total internal reflection surface for reflecting the light beam to impinge onto the light valve, the light beam reflected by the light valve passing through the total internal reflection surface; and

an auxiliary prism arranged between the total internal reflection surface and the projection lens, the auxiliary prism having a total internal reflection surface, the light beam passing through the total internal reflection surface of the prism and being reflected by the total internal reflection surface of the auxiliary prism to the projection lens.